

AMENDMENTS TO THE CLAIMS

Please amend the claims as follows:

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1. (Currently Amended) A method of modifying a memory in a battery unit of a mobile information handling device comprising:  
assigning a predetermined data word to an available address in memory;  
receiving data in a non-reprogrammable section of the memory;  
modifying a programmable section of the memory if the received data complies with the predetermined data word; and  
performing a checksum of registers in the memory-, whereby the foregoing is accomplished by:  
providing a processor;  
interfacing a controller between the processor and the battery unit for  
checking battery unit presence;  
coupling a monitor to the processor to determine the battery unit updating  
requirements; and  
coupling a flash device to the processor for providing an updated battery  
unit configuration.

2. (Original) The method of modifying a memory in a battery unit of a mobile information handling device of claim 1 further comprising:  
multiplexing the received data with a control signal before the non-programmable section of the memory receives the data.

3. (Original) The method of modifying a memory in a battery unit of a mobile information handling device of claim 1 further comprising:  
performing additional security measures prior to modifying the programmable section of the memory.

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4. (Original) The method of modifying a memory in a battery unit of a mobile information handling device of claim 2 further comprising:  
performing additional security measures prior to modifying the programmable section of the memory.

5. (Original) The method of modifying a memory in a battery unit of a mobile information handling device of claim 1 further comprising:  
controlling sent data from a firmware control hub in the mobile information handling device.

6. (Original) The method of modifying a memory in a battery unit of a mobile information handling device of claim 2 further comprising:  
controlling sent data from a firmware control hub in the mobile information handling device.

7. (Original) The method of modifying a memory in a battery unit of a mobile information handling device of claim 3 further comprising:  
controlling sent data from a firmware control hub in the mobile information handling device.

8. (Original) The method of modifying a memory in a battery unit of a mobile information handling device of claim 1 wherein data is transmitted along a system management bus.

9. (Original) The method of modifying a memory in a battery unit of a mobile information handling device of claim 2 wherein data is transmitted along a system management bus.

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10. (Original) The method of modifying a memory in a battery unit of a mobile information handling device of claim 3 wherein data is transmitted along a system management bus.

11. (Original) The method of modifying a memory in a battery unit of a mobile information handling device of claim 4 wherein data is transmitted along a system management bus.

12. (Original) The method of modifying a memory in a battery unit of a mobile information handling device of claim 5 wherein data is transmitted along a system management bus.

13. (Original) The method of modifying a memory in a battery unit of a mobile information handling device of claim 6 wherein data is transmitted along a system management bus.

14. (Original) The method of modifying a memory in a battery unit of a mobile information handling device of claim 7 wherein data is transmitted along a system management bus.

15. (Currently Amended) A mobile information handling device wherein a memory in a battery unit powering the mobile information handling device is reprogrammed comprising:  
a processor;  
a computer readable medium coupled to the processor; and  
computer code, encoded in the computer readable medium configured to cause the processor to:  
assign a predetermined data word to an available address in memory;  
receive data in a non-reprogrammable section of the memory;

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modify a programmable section of the memory if the received data  
complies with the predetermined data word; and  
perform a checksum of registers in the memory, wherein the information  
handling device includes:  
a monitor coupled to the processor to determine the battery unit  
updating requirements; and  
a flash device coupled to the processor to provide an updated  
battery unit configuration.

16. (Original) The mobile information handling device of claim 15  
wherein the processor further:  
multiplexes the received data with a control signal before the non-programmable  
section of the memory receives the data.

17. (Original) The mobile information handling device of claim 15  
wherein the processor further:  
performs additional security measures prior to modifying the programmable  
section of the memory.

18. (Original) The mobile information handling device of claim 16  
wherein the processor further:  
performs additional security measures prior to modifying the programmable  
section of the memory.

19. (Original) The mobile information handling device of claim 16  
wherein a firmware control hub in the mobile information handling device controls  
sent data.

B1 20. (Original) The mobile information handling device of claim 17 wherein a firmware control hub in the mobile information handling device controls sent data.

21. (Original) The mobile information handling device of claim 18 wherein a firmware control hub in the mobile information handling device controls sent data.

22. (Original) The mobile information handling device of claim 15 wherein data is transmitted along a system management bus.

23. (Original) The mobile information handling device of claim 16 wherein data is transmitted along a system management bus.

24. (Original) The mobile information handling device of claim 17 wherein data is transmitted along a system management bus.

25. (Original) The mobile information handling device of claim 18 wherein data is transmitted along a system management bus.

26. (Original) The mobile information handling device of claim 19 wherein data is transmitted along a system management bus.

27. (Original) The mobile information handling device of claim 20 wherein data is transmitted along a system management bus.

28. (Original) The mobile information handling device of claim 21 wherein data is transmitted along a system management bus.

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29. (Cancelled).

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